90
0311

#2

ENTERED

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/077,624

DATE: 03/04/2002
TIME: 15:58:29

Input Set : A:\EP.txt
Output Set: N:\CRF3\03042002\J077624.raw

<110> APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
WASHINGTON DENTAL SERVICE
Shi, Wenyuan
Anderson, Maxwell
Morrison, Sherie
Trinh, Kham
Wims, Letitia
Chen, Li
Qi, Fengxia
<120> TITLE OF INVENTION: ANTI-MICROBIAL TARGETING CHIMERIC PHARMACEUTICAL
<130> FILE REFERENCE: 2101363-991200
C--> **<140> CURRENT APPLICATION NUMBER: US/10/077,624**
C--> **<141> CURRENT FILING DATE: 2002-02-14**
<150> PRIOR APPLICATION NUMBER: US 09/910,358
<151> PRIOR FILING DATE: 2001-07-19
<150> PRIOR APPLICATION NUMBER: US 09/378,577
<151> PRIOR FILING DATE: 1999-08-20
<160> NUMBER OF SEQ ID NOS: 31
<170> SOFTWARE: PatentIn version 3.1
<210> SEQ ID NO: 1
<211> LENGTH: 563
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Synthesized using sequential PCR techniques
<400> SEQUENCE: 1
ggatatccac catggacttc gggttgagct tggttttcct tgtccttact ttaaaaggtg 60
tccagtgtga tagccacgct aagcggcacc acggatataa gcggaagttc cacgagaagc 120
accactcgca cagaggatac tctggtggcg gtggctcggg cggaggtggg tcgggtggcg 180
gcggatccga cgtgaagctt gtggagtctg ggggaggctt agtgaaccct ggagggtccc 240
tgaaactctc ctgtgcagcc tctggattca ctttcagtag ctataccatg tcttgggttc 300
gccagactcc ggagaagagg ctggagtggg tcgcatccat tagtagtggt ggtacttaca 360
cctactatcc agacagtgtg aagggccgat tcaccatctc cagagacaat gccaagaaca 420
ccctgtacct gcaaatgacc agtctgaagt ctgaggacac agccatgtat tactgttcaa 480
gagatgacgg ctcctacggc tcctattact atgctatgga ctactggggt caaggaacct 540
cagtcaccgt ctcttcagct agc 563
<210> SEQ ID NO: 2
<211> LENGTH: 24
<212> TYPE: PRT
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Synthesized using sequential PCR techniques
<400> SEQUENCE: 2

RAW SEQUENCE LISTING DATE: 03/04/2002
PATENT APPLICATION: US/10/077,624 TIME: 15:58:29

Input Set : A:\EP.txt
Output Set: N:\CRF3\03042002\J077624.raw

```
66 Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
67 1               5                  10                  15
70 Lys His His Ser His Arg Gly Tyr
71             20
74 <210> SEQ ID NO: 3
75 <211> LENGTH: 16
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
82 <400> SEQUENCE: 3
84 Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
85 1               5                  10                  15
88 <210> SEQ ID NO: 4
89 <211> LENGTH: 165
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Synthesized using sequential PCR techniques
96 <400> SEQUENCE: 4
98 Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
99 1               5                  10                  15
102 Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Gly Ser Gly Gly
103             20                  25                  30
106 Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Lys Leu Val Glu Ser Gly
107         35                  40                  45
110 Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala
111     50                  55                  60
114 Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg Gln Thr
115 65                  70                  75                  80
118 Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly Gly Thr
119                 85                  90                  95
122 Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
123             100                 105                 110
126 Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu Lys Ser
127         115                 120                 125
130 Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser Tyr Gly
131     130                 135                 140
134 Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr
135 145                 150                 155                 160
138 Val Ser Ser Ala Ser
139                 165
142 <210> SEQ ID NO: 5
143 <211> LENGTH: 533
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Synthesized using squential PCR techniques
150 <400> SEQUENCE: 5
```

RAW SEQUENCE LISTING DATE: 03/04/2002
PATENT APPLICATION: US/10/077,624 TIME: 15:58:29

Input Set : A:\EP.txt
Output Set: N:\CRF3\03042002\J077624.raw

```
151 ggatatccac catggacttc gggttgagct tggttttcct tgtccttact ttaaaaggtg     60
153 tccagtgtaa gcggctgttt aaggagctca agttcagcct gcgcaagtac tctggtggcg    120
155 gtggctcggg cggaggtggg tcgggtggcg gcggatccga cgtgaagctt gtggagtctg    180
157 ggggaggctt agtgaaccct ggagggtccc tgaaactctc ctgtgcagcc tctggattca    240
159 ctttcagtag ctataccatg tcttgggttc gccagactcc ggagaagagg ctggagtggg    300
161 tcgcatccat tagtagtggt ggtacttaca cctactatcc agacagtgtg aagggccgat    360
163 tcaccatctc cagagacaat gccaagaaca ccctgtacct gcaaatgacc agtctgaagt    420
165 ctgaggacac agccatgtat tactgttcaa gagatgacgg ctcctacggc tcctattact    480
167 atgctatgga ctactggggt caaggaacct cagtcaccgt ctcttcagct agc           533
170 <210> SEQ ID NO: 6
171 <211> LENGTH: 14
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Synthesized using squential PCR techniques
178 <400> SEQUENCE: 6
180 Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr
181 1               5                   10
184 <210> SEQ ID NO: 7
185 <211> LENGTH: 155
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Synthesized using squential PCR techniques
192 <400> SEQUENCE: 7
194 Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr Ser Gly
195 1               5                   10                  15
198 Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val
199             20                  25                  30
202 Lys Leu Val Glu Ser Gly Gly Gly Leu Val Asn Pro Gly Gly Ser Leu
203         35                  40                  45
206 Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met
207     50                  55                  60
210 Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser
211 65                  70                  75                  80
214 Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly
215                 85                  90                  95
218 Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
219             100                 105                 110
222 Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg
223         115                 120                 125
226 Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly
227     130                 135                 140
230 Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser
231 145                 150                 155
234 <210> SEQ ID NO: 8
235 <211> LENGTH: 89
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial sequence
```

RAW SEQUENCE LISTING DATE: 03/04/2002
PATENT APPLICATION: US/10/077,624 TIME: 15:58:29

Input Set : A:\EP.txt
Output Set: N:\CRF3\03042002\J077624.raw

239 <220> FEATURE:
240 <223> OTHER INFORMATION: Primer 986
242 <400> SEQUENCE: 8
243 caccactcgc acagaggata ctctggtggc ggtggctcgg gcggaggtgg gtcgggtggc 60
245 ggcggatccg acgtgaagct tgtggagtc 89
248 <210> SEQ ID NO: 9
249 <211> LENGTH: 84
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Primer 987
256 <400> SEQUENCE: 9
257 ggtgtccagt gtgatagcca cgctaagcgg caccacggat ataagcggaa gttccacgag 60
259 aagcaccact cgcacagagg atac 84
262 <210> SEQ ID NO: 10
263 <211> LENGTH: 74
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Primer 988
270 <400> SEQUENCE: 10
271 gatatccacc atggacttcg ggttgagctt ggttttcctt gtccttactt taaaaggtgt 60
273 ccagtgtgat agcc 74
276 <210> SEQ ID NO: 11
277 <211> LENGTH: 87
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Primer 989
284 <400> SEQUENCE: 11
285 gttcagcctg cgcaagtact ctggtggcgg tggctcgggc ggaggtgggt cgggtggcgg 60
287 cggatccgac gtgaagcttg tggagtc 87
290 <210> SEQ ID NO: 12
291 <211> LENGTH: 69
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Primer 990
298 <400> SEQUENCE: 12
299 gtccttactt taaaaggtgt ccagtgtaag cggctgttta aggagctcaa gttcagcctg 60
301 cgcaagtac 69
304 <210> SEQ ID NO: 13
305 <211> LENGTH: 65
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Primer 991
312 <400> SEQUENCE: 13
313 ggatatccac catggacttc gggttgagct tggttttcct tgtccttact ttaaaaggtg 60

RAW SEQUENCE LISTING DATE: 03/04/2002
PATENT APPLICATION: US/10/077,624 TIME: 15:58:29

Input Set : A:\EP.txt
Output Set: N:\CRF3\03042002\J077624.raw

315 tccag 65
318 <210> SEQ ID NO: 14
319 <211> LENGTH: 39
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Primer 452
326 <400> SEQUENCE: 14
327 tgggtcgacw gatggggstg ttgtgctagc tgaggagac 39
330 <210> SEQ ID NO: 15
331 <211> LENGTH: 18
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Protegrin PG-1
338 <400> SEQUENCE: 15
340 Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val
341 1 5 10 15
344 Gly Arg
348 <210> SEQ ID NO: 16
349 <211> LENGTH: 57
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Protegrin PG-1
356 <400> SEQUENCE: 16
357 aggggaggtc gcctgtgcta ttgtaggcgt aggttctgcg tctgtgtcgg acgagga 57
360 <210> SEQ ID NO: 17
361 <211> LENGTH: 18
362 <212> TYPE: PRT
363 <213> ORGANISM: Artificial sequence
365 <220> FEATURE:
366 <223> OTHER INFORMATION: Novispirin G10
368 <400> SEQUENCE: 17
370 Lys Asn Leu Arg Arg Ile Ile Arg Lys Gly Ile His Ile Ile Lys Lys
371 1 5 10 15
374 Tyr Gly
378 <210> SEQ ID NO: 18
379 <211> LENGTH: 36
380 <212> TYPE: DNA
381 <213> ORGANISM: Artificial sequence
383 <220> FEATURE:
384 <223> OTHER INFORMATION: Forward primer 1
386 <400> SEQUENCE: 18
387 ggtggttgct cttccaacag gggaggtcgc ctgtgc 36
390 <210> SEQ ID NO: 19
391 <211> LENGTH: 23
392 <212> TYPE: DNA
393 <213> ORGANISM: Artificial sequence

VERIFICATION SUMMARY DATE: 03/04/2002
PATENT APPLICATION: US/10/077,624 TIME: 15:58:30

Input Set : A:\EP.txt
Output Set: N:\CRF3\03042002\J077624.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date